

TEMPORARY INSTRUCTION MANUAL



Reg. U.S. Pat. Off.

MODEL NO. WP

Please Note

Owing to printing delays, we are not able to include with your WIREWAY the complete, fully illustrated consumer manual which you certainly want to have and to which you are entitled.

When you have returned the Guarantee Registration Card, we hope to have these booklets available and will be happy to mail you one for your recording and listening pleasure.

In the meantime, please follow these instructions carefully and have fun with your WIREWAY.

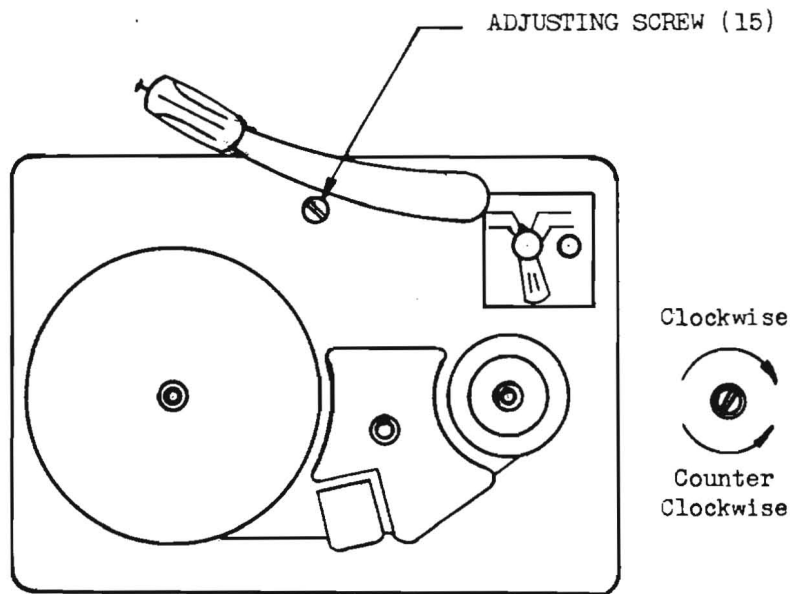
WIRE RECORDING

Corporation of America



FACTORY: 1331 HALSEY STREET • BROOKLYN 27, NEW YORK
EXECUTIVE AND SALES OFFICES: 76 VARICK STREET • NEW YORK 13, N. Y.

Copyright 1948



WIRE ADJUSTMENT

If wire either breaks or leaves the head, insert thin dime or screw driver in slotted screw shown above, with unit operating with wire, in "play" position.

Rotate screw counter-clockwise until turntable slows down or stops. Then rotate clockwise until turntable just turns correct speed.

If wire still breaks, turn screw slightly counter-clockwise. If wire leaves the head, turn screw slightly more clockwise.

1. MIKE OR TELEPHONE: Insert microphone or telephone pickup plug here.
2. RADIO OR EXTERNAL: For recording direct from voice coil of a radio. Any qualified radio mechanic can run a wire from your radio which can then be plugged into the WIREWAY.
3. SELECTOR SWITCH: Be sure this switch is in its proper position for recording with the microphone, from phonograph records or from the radio. Use WIRE position ONLY when playing the wire.
4. VOLUME CONTROL: Adjust to most satisfactory level for recording and playback. Watch the flash lamp when recording.
5. SPEAKER SWITCH: This must be on SPEAKER to hear your recordings. When turned to BRDCAST, tune in on your radio. (See notes on Broadcasting.)
6. FREQUENCY ADJUSTMENT SCREW: Once properly adjusted, this need never be touched again unless the WIREWAY is used in another area.
7. FLASH LAMP: See your instructions. This should flash on peaks of sound only, when recording. When playing, this lamp burns steadily.
8. CONTROL SWITCH: This controls the action of the 2 motor wire moving mechanism.

9. SPOOL HUB: Wire spool fits snugly over hub with top of spool flush with top of hub. For best results, always use WIREWAY spools.
10. RESET BUTTON: Must be pressed down to activate the wire moving mechanism. This also controls the automatic cut-off when the wire's leaders trip this switch in forward or reverse motion.
11. RECORDING HEAD: This is the "heart" of the WIREWAY. Its magnetic coils do three jobs; record, play, and erase the wire.
12. TURNTABLE: Dual purpose - plays phonograph records and doubles as the take-up spool.
13. TONE ARM: With a Fidelitone permanent needle.
14. HOLD-DOWN SCREWS: Be sure they are always tightly screwed down. Springs under these screws "float" the chassis.
15. ADJUSTMENT SCREW: Directly under the tone arm - see special instructions for adjusting.

C A U T I O N

Use AC current ONLY. DC or any other source of electrical power will damage your set.

Your WIREWAY is designed to operate on AC current, 105 to 120 volts, 60 cycle, and has a power rating of 110 watts.

Be sure your WIREWAY is placed on a steady level surface and if possible place a pad between the bottom of the machine and the table top. Unwind the power cord and the hank of antenna wire both found in the spool well.

SETTING UP THE WIREWAY FOR RECORDING

First plug power cord into wall socket. Turn Selector Switch (3) to PHONO and Volume Control (4) clockwise to numeral 10. Turn Speaker Switch (5) to SPEAKER and listen for 'hum'. Now, reverse plug in wall socket. 'Hum' will either increase or decrease noticeably. Leave plug in position that produces less 'hum' for best recording and reproduction.

With Reset Switch (10) pressed down, turn Control Switch (8) to PLAY. When Recording Head (11) is in its TOPMOST position, turn Control Switch to OFF. Always thread the wire when the recording head is in this position for best results. The rise and fall of the head insures level winding of the wire in both forward and reverse action.

GETTING READY TO RECORD

Place spool of wire, label side up, on Spool Hub (9). Press down until spool is firmly seated with top of spool flush with top of hub.

Bring end of plastic leader on the spool of wire out and around the front of the Recording Head (11). Place the end of the leader in the groove of the takeup spool (turntable-12). Holding the leader FLAT against the groove, rotate turntable clockwise two or three revolutions.

CAUTION: Be sure wire passes thru the slot of the Recording Head otherwise you cannot record. Be certain there are no bulges in the plastic leader as it winds around the turntable or you will get 'wows' and 'flutters' in your recording.

NOW YOU CAN RECORDRecording with the Microphone

Plug microphone into the MIKE or TELEPHONE jack (1). Turn Selector Switch (3) to MIKE. Turn Volume Control (4) to approximately 6 position. Experience will soon teach you at what position the most desirable recordings will be made.

Turn Control Switch (8) to RECORD WIRE. Be sure to press Release Button or switch won't turn. This button was installed for the purpose of preventing accidental erasure of a recorded wire. Now press RESET BUTTON (10). This button must always be pressed down when recording, playing, or rewinding. It operates the automatic shut-off when the wire has reached its end in either forward or reverse motion.

NOW EVERY SOUND IS BEING PICKED UP!

Hold the microphone about four or five inches from your mouth and speak in a clear, conversational tone. You will note as you speak the tiny lamp (7) flashes on peaks of sound. If it flashes very often or burns steadily, you are too close to the microphone or have too much volume. If it does

not light at all, you are too far from the microphone or do not have enough volume. Adjust Volume Control (4) accordingly.

After recording once or twice you will be able to accommodate the pitch of your voice for a smooth recording and develop good microphone technique. Different voices require different techniques. Constant experimentation will show you at just what volume level you will obtain your best recordings.

NOTE: Slight under-modulation is better than over-modulation when recording. Then in playback the volume may be increased to proper listening level.

NOW PLAY IT BACK

First rewind onto the Spool (9) the section of the wire that has been recorded. To do this place Control Switch (8) to REWIND. Be sure to press down Reset Button (10) before turning switch. When this is done be sure Speaker Switch is turned to SPEAKER and Selector Switch to WIRE and you will hear yourself backwards. This is not only amusing to hear but provides a key to the beginning of a recording at which time you can stop the rewinding.

When you have rewound to the beginning of your recording, turn Control Switch (8) to PLAY, the Selector Switch (3) is already in WIRE position, and Volume Control (4) may remain at the same level at which your recording was made. If you want greater playback volume, merely advance the Volume Control to desired level.

Should the wire accidentally snap in rewinding, the turntable requires a slight adjustment. This is easily accomplished by adjusting the turntable adjustment screw (15) located directly under the tone arm. Turn SLIGHTLY clockwise. If turned counter-clockwise, the turntable locks.

RECORDING FROM PHONOGRAPH DISCS

WIREWAY does not require the use of the microphone when recording discs on wire.

First place a phonograph record on the turntable (12) and place tone arm (13) at start of the record just as you would on a regular record player. Turn Selector Switch (3) to PHONO and adjust the Volume Control (4) to a point slightly higher than you would care to have if you were just listening to the record. Turn Control Switch (8) to RECORD WIRE and again, be sure Reset Button (10) is pressed down.

Now the phonograph record is being recorded on the wire. It is not necessary to have Speaker Switch on SPEAKER unless you want to hear the record as it is being recorded.

When record is finished turn Control Switch (8) OFF. Remove phonograph record before rewinding the wire. After rewinding, turn to PLAY and, following previous instructions for playing the WIRE, listen to the perfect reproduction of your disc. Note too that most of the surface noise of the needle has been eliminated in the wire reproduction thereby improving the tonal qualities of the original.

CAUTION: Be sure to remove the phonograph disc before rewinding as it is liable to crack when the spool is being rewound at such a fast speed.

BROADCASTING

The WIREWAY contains a broadcast transmitter whose signal can be picked up by any radio within a distance up to about 150 feet. This is true whenever the Selector Switch (3) is in WIRE or PHONO or MIKE position, the Control Switch (8) is in RECORD WIRE or PLAY, and the Speaker Switch is at BRDCAST.

First, turn your radio on and dial to a blank spot at the lower end of the dial. Immediately above the flash lamp of the WIREWAY, you will find a deeply imbedded Frequency Adjustment Screw. Playing a record on your WIREWAY and with Selector Switch at BRDCAST, turn this screw right or left until you hear the recording playing thru your radio's loud speaker. Now your WIREWAY is on the same frequency as the number on the radio dial and needs no further adjustment. Of course, if you transport your WIREWAY to another community, this adjustment may have to be made again.

Now you may play your wire recordings or phonograph records thru another radio or radios in your home and take advantage of the improved tonal qualities of speakers larger than that contained in your WIREWAY. No wires or other connections are required. Just be sure the WIREWAY antenna is hanging at full length.

Your radio also becomes a Public Address System too. Leaving Speaker Switch on BRDCAST, turn Selector Switch to MIKE. Now speak into the microphone and you will hear yourself coming from your radio loud speaker. Control Switch must be in RECORD WIRE or PLAY position.

When the Speaker Switch is in PA position (On Models WP-2501 and over), using your microphone as just described permits use of the WIREWAY itself as its own Public Address System.

RECORDING FROM YOUR RADIO

You can record radio programs in either of two ways. To record with the microphone, place microphone 8 to 10 inches in front of your radio speaker which should be playing at normal volume.

Set Selector Switch (3) to MIKE, and turn Control Switch (8) to RECORD WIRE. Speaker Switch must be in SPEAKER position.

Now your Wireway is recording a radio program as it comes out of the radio speaker. When the program is over, turn Control Switch (8) to OFF.

For playback follow same procedure as before.

RECORDING FROM VOICE COIL OF RADIO

To record radio programs without extraneous sounds such as room noises and background noises, your Wireway is provided with a radio jack which can be connected to your radio voice coil. This method records radio programs with perfect fidelity. And you obtain recordings as they sound when they are being broadcast - real, lifelike pure tone values. It is advisable to have a qualified radio repairman make this connection on your radio, then you merely plug the other end into the Wireway. Turn Selector Switch to RADIO and follow previous instructions for recording.

HOW TO SPLICE, EDIT OR ERASE YOUR WIRE

Your wire rarely snaps, but if it does it can be mended easily.

Mending wire

When your wire breaks, simply tie the two ends together in a square knot and clip the loose ends close with a scissors. Knots will not injure the wire recording nor will they make any audible sound in reproduction.

Editing your recordings

To delete sections you don't want, simply snip out unwanted parts and tie remaining two ends together. With this method of easy editing you can take out commercials from radio programs, take sections of long recordings and file on separate spools and collect a whole hour's music or speech on one spool

without interruptions. In this way you can combine radio recordings, microphone recordings and even telephone recordings all on one spool.

To edit use two spools. To find the end of the section you want to remove turn on the speaker and listen as you rewind your wire. You can easily tell when you reach the end of a section to be edited because there are short pauses between words and between words and music. You can check your position on wire by playing a short section and rewinding again. Now shut off the recorder, cut your wire, take off the spool that has been rewinding, put on an empty spool, attach a plastic leader to the remaining cut wire, and continue to rewind until you come to the start of the section to be edited. Then cut the wire. The wire on your new spool is the section you want to take out or save separately. Replace your first spool on the spool hub, tie the two loose wire ends together and your recording is edited as you wish.

Erasing your wire.

It's easier than erasing a penciled word. Wireway automatically erases and records simultaneously when your set is in RECORD WIRE position and the Selector Switch is in PHONO, MIKE or RADIO position. You do not have to record anything to erase previously used wire. Run wire through recording head with Selector Switch on PHONO and Control Switch in RECORD WIRE. This completely erases the wire. It will not erase when Selector Switch is in WIRE position. Set Volume Control at about 2 position.

SOME "DO'S" - SOME "DON'T'S"

DON'T forget to remove plug from outlet before changing tube or doing any work on the mechanism.

DON'T allow wire to get loose from spool. This leads to snarling and tangling and can be avoided.

DON'T transport your set unless the phonograph arm is secure in its bracket.

DON'T talk directly into the microphone. Hold it 4 to 6 inches away from speaker or music. Most people find that by holding the mike sideways, hissing "S's" and "P's" and other harsh sibilants record more smoothly.

DON'T handle the recording wire if you can help it. Always grasp spool by its edges.

DON'T place the Wireway on a radiator or other heated spot or possible damage may result.

DO be sure to find which way plug should be inserted in outlet to get least "hum".

DO completely rewind spool before removing it.

DO remove spool of wire before transporting set.

DO press red reset button before turning switch to record wire, phono or play - always.

DO watch your lamp when recording - if it flashes often you are too loud. Be guided by it for smooth recordings.

DO look at the recording head occasionally. If it needs cleaning, a small, stiff brush dampened with carbon tetrachloride may be used, but sparingly. Dry immediately.

DO follow all the rules in this book for unpacking, setting up, recording.

DO use approximately same volume level when broadcasting Wireway through radio, as when listening direct.

DO experiment with your Wireway for best reproduction results for you.

DO have fun with Wireway.

WIREWAY ACCESSORIES

Wireway Phone Pickup

This small unobtrusive device may be set underneath the telephone or on the bell box. When phone rings, set Wireway for recording and as receiver is picked up a two-way conversation is recorded without the need for wire connections or tapping. Merely plug in the lead from the phone pickup in TELEPHONE jack. This is available at your dealer for only \$10.00.

WIRE SPOOLS

Recording wire for Wireway comes in spools of one hour, half hour and fifteen minute lengths. The hour spool contains 7300 feet of magic wire.

One hour spools \$5.00

1/2 " " 3.00

1/4 " " 2.00

Spare Spools - without wire, for filing and editing purposes \$.50

WIREWAY PLASTIC LEADERS

Extra supply of Wireway special, simplified leaders for your additional wire spools - \$.25 per pair.

FOOT SWITCH - This automatic START-REWIND-STOP foot switch may be installed by any competent radio repairman. Wiring diagram furnished without cost. \$25.00.

HEAD SET - At the same time the automatic foot switch is installed, those who would like to use their Wireway as an efficient secretarial instrument will want this accessory. \$17.00.

Both of the above accessories are installed in the front of the Wireway directly under the handle. Because they may be removed at will, the portability of the lightweight Wireway remains.

CANVAS ZIPPERED COVER

Beautiful tailor-made water resistant cover to keep your WIREWAY clean and new looking when used in travelling. \$10.00.

CANVAS GADGET BAG

Holds extra spools, foot control switch, headset, and ample room for extra long cords, etc. \$4.00.

20 FOOT MIKE CORD

Complete with plug - may be wired into your microphone. \$3.75.

IF YOUR DEALER DOES NOT CARRY
THESE ACCESSORIES, YOUR ORDER
WILL BE FILLED AT THE FACTORY
AND SHIPPED PREPAID. PLEASE
SEND CHECK OR MONEY ORDER ONLY.
ORDERS WILL BE FILLED PROMPTLY.

PRICES SUBJECT TO CHANGE
WITHOUT NOTICE.